BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 3280000.00

Name of Work: Detailed Estimate for the work of Construction of Approach road and retaining wall to SC/ST Burial ground at venkatala in ward No- 01 of yelahanka Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3. No. 138/ Item No. 19.1/ PWD SR 2015-16	cum							
	road formation		1	190.00	3.00	0.25	142.50		
							142.50	83.16	11850.00
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
	Total	83.16							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2015-16	cum							
	retaining wall SSM		1	190.00	1.20	1.10	250.80		
							250.80	192.24	48214.00
	Basic Rate	178.00							
	Area Weightage @ 8%	14.24							
	Total	192.24							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2015-16)	cum							
			Vide Item No. 1+2				393.30	85.60	33667.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.20 X 4	11.26							
		79.26							
	Area Weightage @ 8%	6.34							
	Total	**85.60**							
4	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 144/ Item No. 19.60/ PWD SR 2015-16	**cum**							
	for road		1	190.00	3.00	0.25	142.50		
							142.50	311.04	44323.00
	Basic Rate	288.00							
	Area Weightage @ 8%	23.04							
	Total	**311.04**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.2/ PWD SR 2015-16	Cum							
	retaining wall SSM		1	190.00	1.20	0.15	34.20		
	for CC road		1	190.00	3.00	0.15	85.50		
							119.70	**5236.92**	**626859.32**
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	**5236.92**							
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.4/ PWD SR 2015-16	cum							
	wall foundation 1st course		1	190.00	0.90	0.45	76.95		
	2nd course		1	190.00	0.75	0.45	64.13		
	3rd course		1	190.00	0.60	0.45	51.30		
	wall		1	190.00	0.45	2.40	205.20		
							397.58	**4905.36**	**1950249.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							
7	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. item no 15.1 Page No. 109 PWD SR 2015-16	sqm							
			1	190.00	2.50		475.00		
							475.00	**99.36**	**47196.00**
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	**99.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping,, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	for coping		1	190.00	0.45	0.15	12.83		
							12.83	**6198.12**	**79491.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
9	KSRRB M600-6: cement concrete pavement, construction **unreinforced plain cement concrete pavement,** thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed 2008 mixed in a concrete mixer of not less than 0.6 cum capacity and approprite weigh batcher as per approved mix design laid in approved fixed side form work (steel channel laying and fixing of 125 micron thick polythene film, wedges steel plates including levelling the form work as per drawing) & spreading the concrete with shoveles rackers compacted using needle screed and plate vibrator and finished in a continuous operation including provision of contraction expansion								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	construction and longitudinal jounts including groove cutting charges joint filler, seperation membrance selant primer, joint sealant, admixtures as approved curing compound finishing to lnes and gares as per drawing complete as per specification M30(at 360kg per cum coarse aggregate @ 0.69cum and fine aggregare @ 0.46cum), , No. 171/ Item No. 22.6.1 SR 2015-16	cum							
	for CC road		1	190.00	3.00	0.10	57.00		
							57.00	5957.28	339565.00
	Basic Rate	5516.00							
	Area Weightage @ 8%	441.28							
	Total	5957.28							
10	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. Page No 171 Item No 22.7 SR 2015-16	Sqm							
			1	190.00	3.00		570.00		
							570.00	97.20	55404.00
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	97.20							
11	Providing groove cutting for width of 5mm to 100m depth 80mm-100 including cost of cutting machine, generatoe & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot birumen fillars, and filler metal etc., including cost of conveyance of all materials,. Labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. do- for concrete pavement Item no 22.8.1 Page No 175 SR 2015-16	Rmt							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for cc road		24	3.00			72.00		
							72.00	124.20	8942.00
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	124.20							
							Sub Total		3245760.00
12	Quality control charge								32457.60
13	Miscellaneous charges								1782.40
								Total	3280000.00
(Rupees Thirty two lakhs Eighty thousand Only)									

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

ADMINISTRATIVELY SANCTIONED FOR Rs 32.80 lacs
Rupees Thirty two lacks eighty thousand only
Under P 3071

Registered as EE ( ) No
Subject to conditions mentioned in
enclosed memo EE ( ) No dt
Dt Estimate Sanctioned
J.C (4) P&A/ AS/ No 74/15-16
dated 13-1-2016 Rs 32.80 lacs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction
Accorded For 32.80 lakh Rs
Head of A/C P 3071
CER NO 105 **Dt:** 13.01.16

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